

AUTONOMOUS VEHICLES

HOW ARE STATES PREPARING FOR THE FUTURE?

WASHTO ~ JUNE 2018



THE PAST



OVERVIEW

- Autonomous Vehicles (AV) 101
- Applications and potential impacts
- States AV strategies
- What can your state do to prepare?



AUTONOMOUS VEHICLES 101

AUTOMATION LEVELS OF AUTONOMOUS CARS

LEVEL 0



There are no autonomous features.

LEVEL 1



These cars can handle one task at a time, like automatic braking.

LEVEL 2



These cars would have at least two automated functions.

LEVEL 3



These cars handle “dynamic driving tasks” but might still need intervention.

LEVEL 4



These cars are officially driverless in certain environments.

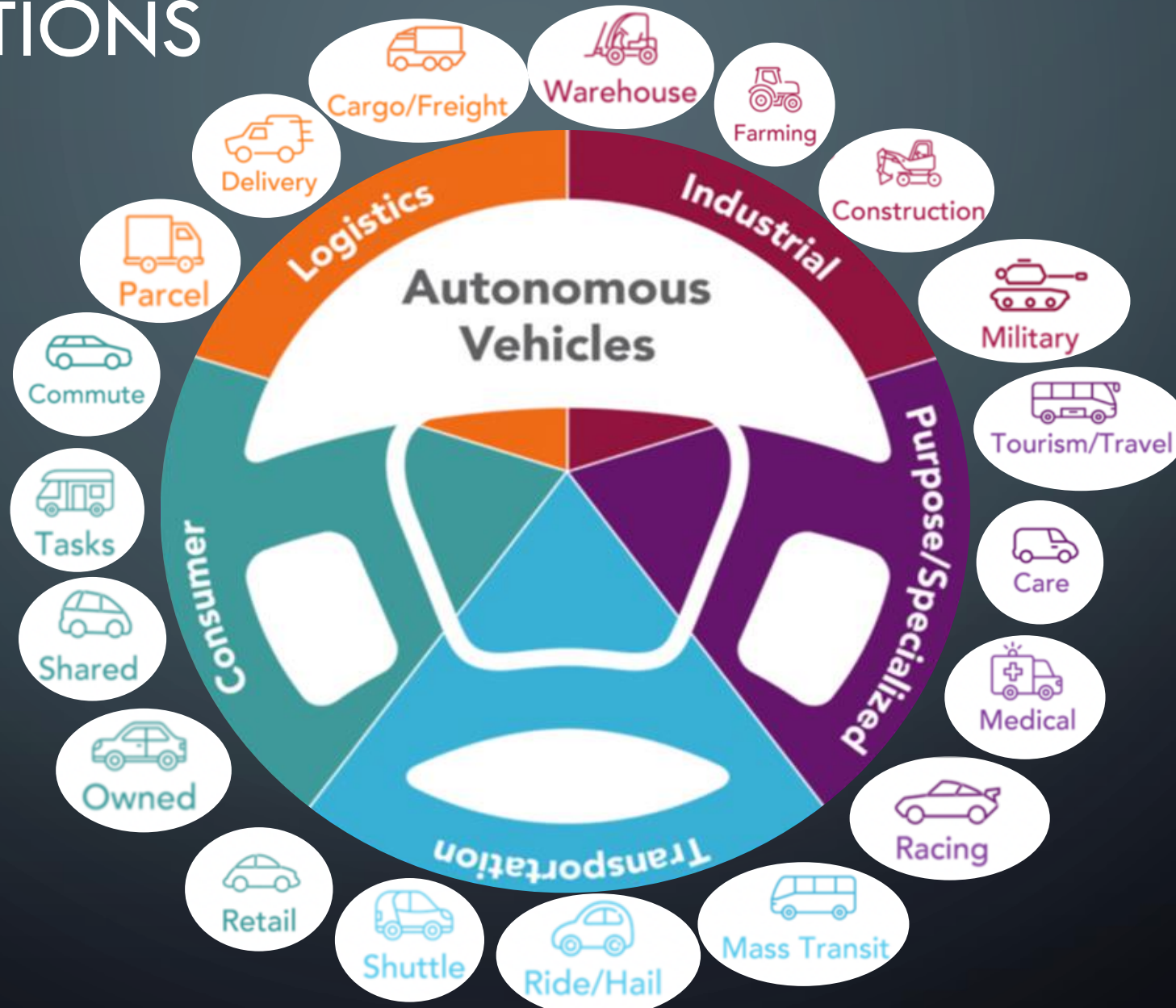
LEVEL 5



These cars can operate entirely on their own without any driver presence.



APPLICATIONS



POTENTIAL IMPACTS

- Budgets/Funding Sources
- Cyber, Data Security, and Privacy
- Accessibility
- Congestion
- Legal (insurance/legislation/policy updates)
- Land Use
- Safety



SAFETY STATISTICS

- 253 million cars and trucks
- 40,000 people killed
- 4.57 million injured
- \$ 413.8 billion lost

National Safety Council ~ <https://www.nsc.org/road-safety/safety-topics/fatality-estimates>

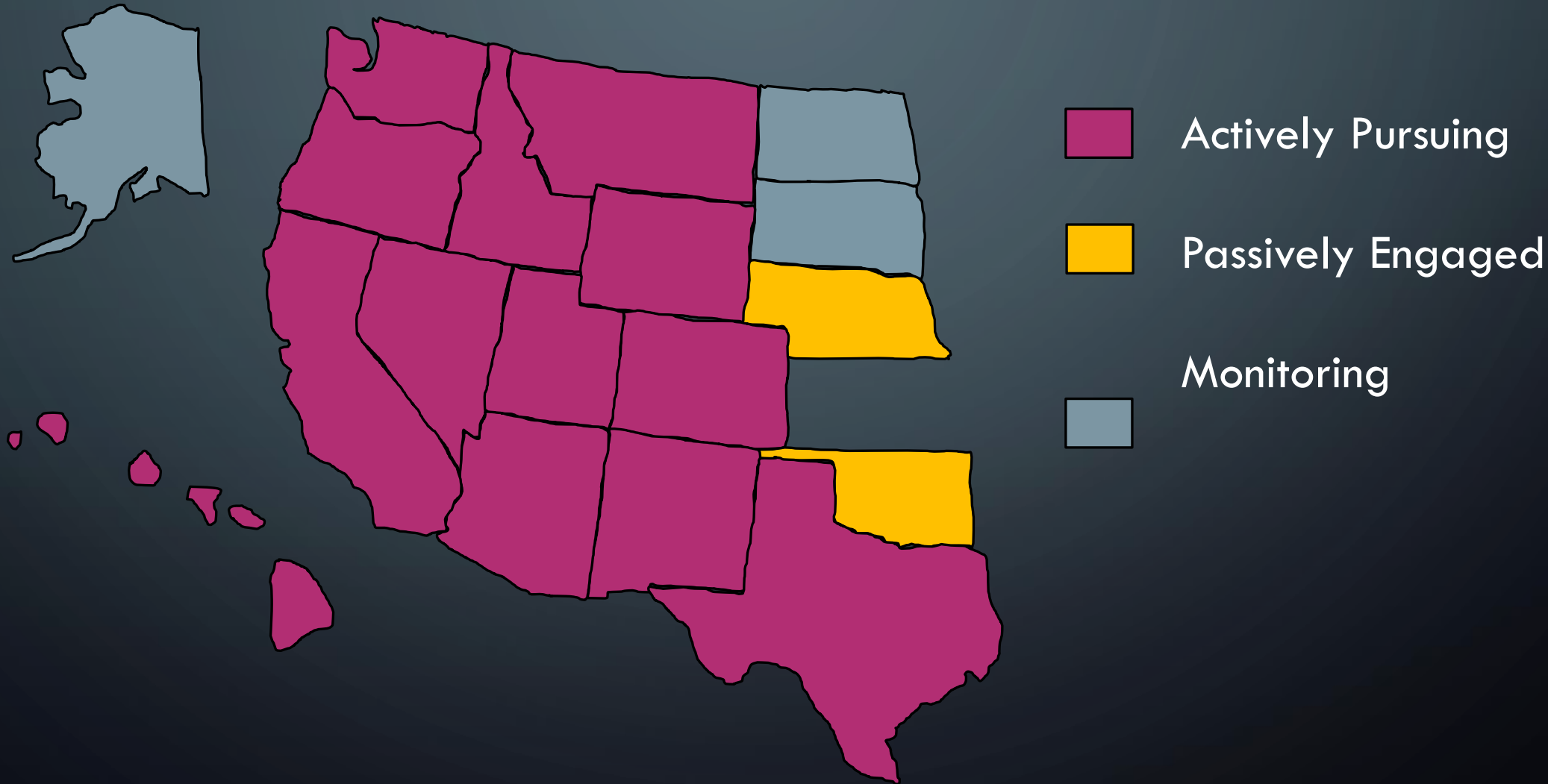


WASHTO STATE INTERVIEWS

- Interviewed each WASHTO State
- Identified State strategies
- Independently researched



WASHTO STATES AV IMPLEMENTATION STRATEGIES



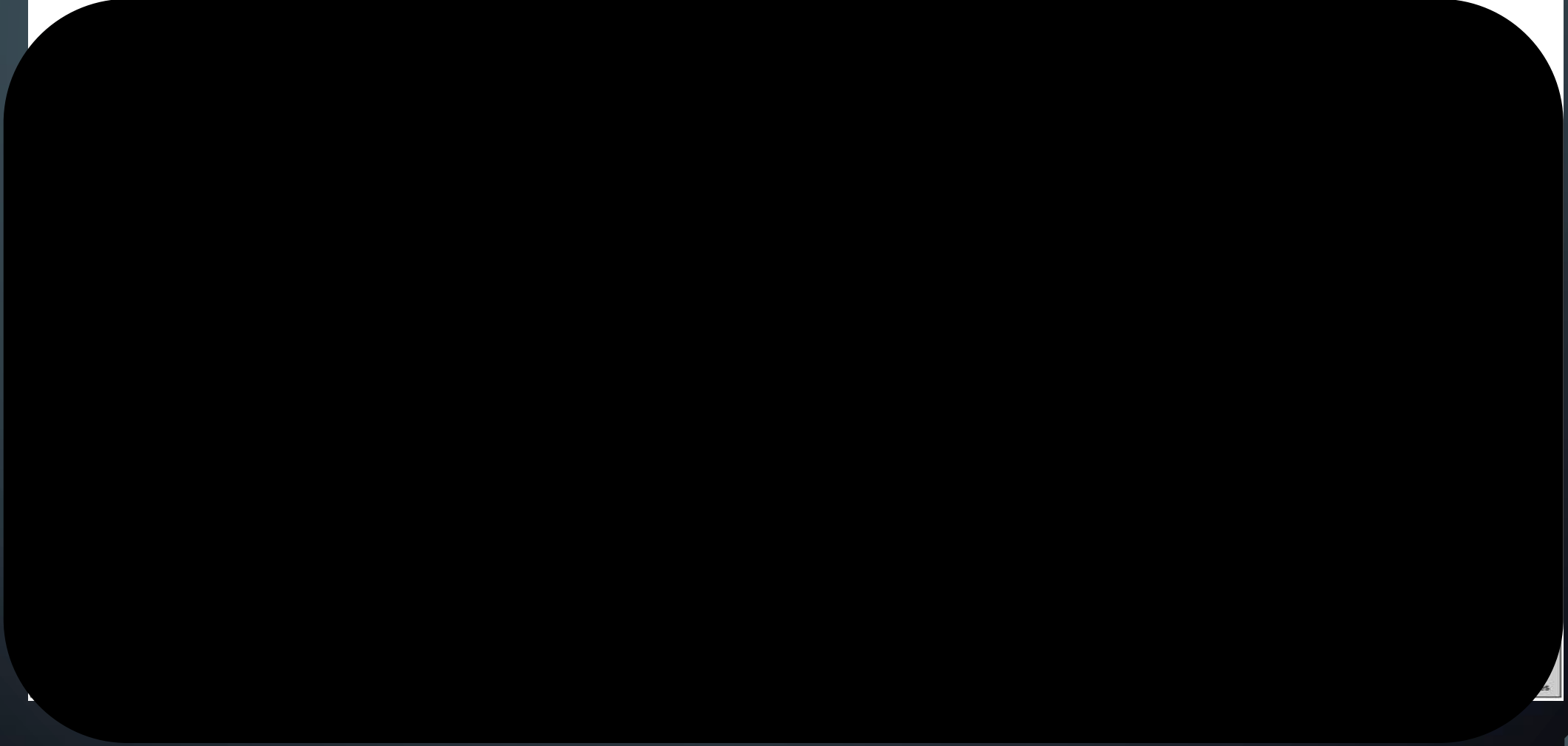
AV IN ACTION



ARIZONA



LEVERAGING TECHNOLOGY

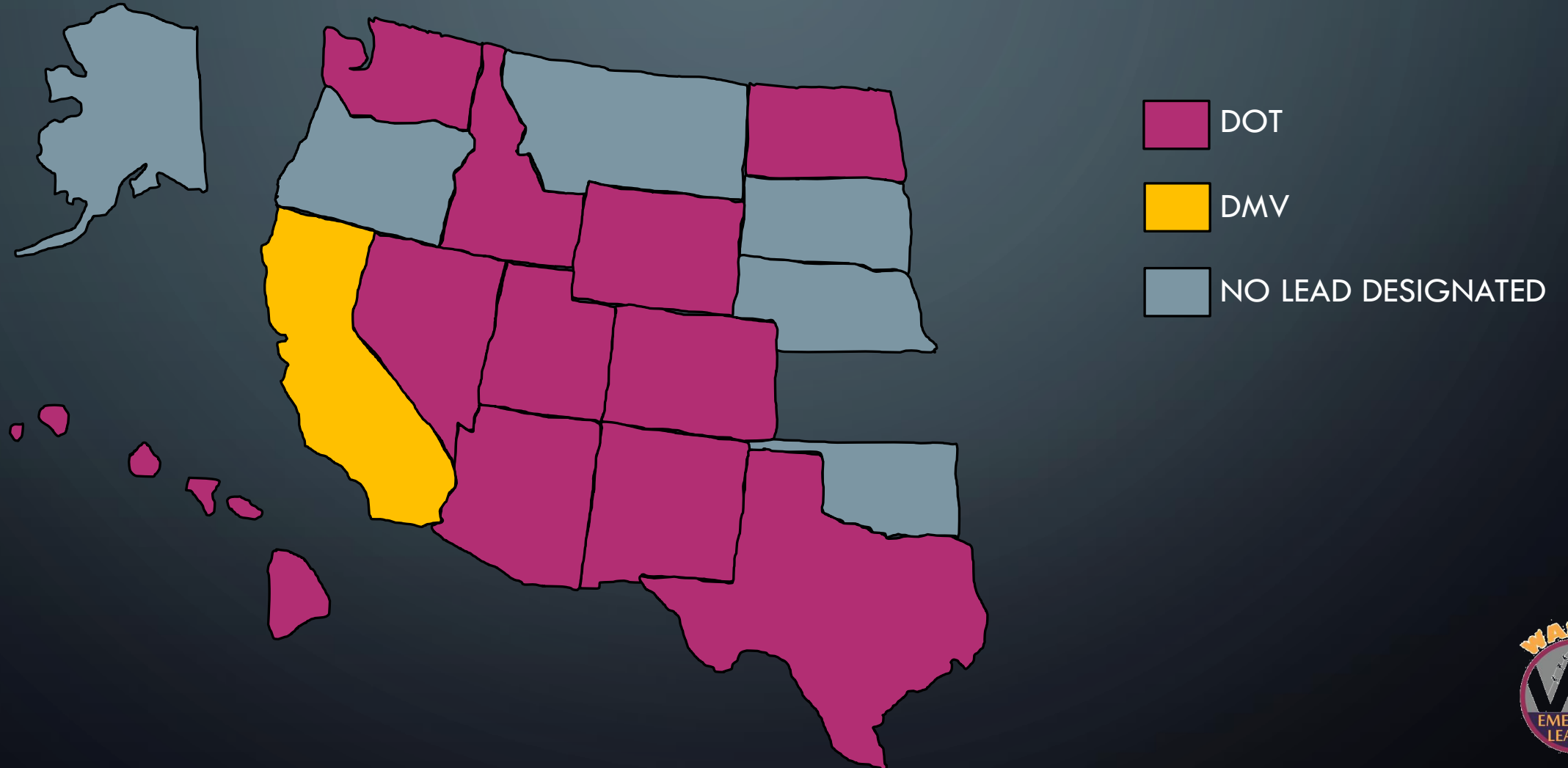


GOT BAD WEATHER?

GO CONNECTED ON I-80!



WASHTO STATES WITH AN AV LEAD AGENCY



CHALLENGES

- Resources
- Rapidly changing technology
- Lack of exposure



RECOMMENDED ACTION ITEMS

- Be flexible
- Engage the community
- Get involved, monitor, and collaborate
- Get invested



QUESTIONS

- Megan Kilty – Nevada
- Iqbal Hossain – Arizona
- John Cordary – Texas
- Lacey Bruckner – Wyoming
- Stacey Shepard – Washington

